Decline in the Hydel-Thermal mix

2949. SHRI SURESH PACHOURI: Will the Minister of ENERGY be pleased to state:

(a) whether the steady decline in the hydel-thermal mix of the country's power supplies is causing concern to the experts in the power sector;

(b) if so, whether hydel-thermal mix stood at 51.49 in 1962-63 and it went down to 40.60 at the end of Fifth Plan at the end of the Seventh Plan; and

(c) if so, to what extent it has been declining from 1962 onwards and what are the reasons therefor and what steps are being taken to reverse the trend?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI KALPNATH RAI): (a) to (c) The hydel-thermal mix in the country by the end of each five year plan period and that anticipated by the end of the current five year plan period is as given below:—

End of Five Year Plan	Hydel-Thermal Mix (%)	
	Hydel(%)	Thermal including Nuclear(%)
1st Plan (1956)	35	65
2nd Plan (1961)	41	59
3rd Plan (1966)	46	54
Annual Plans (1969)	46	54
4th Plan (1974)	42	58
5th Plan (1979)	41	59
Annual Plan (1980)	40	60
6th Plan (1985)	34	66
7th Plan (1990) (estimated)	30	70

The development of hydro power potential is dependent on various technical and economic factors including resolution of inter-State disputes regarding sharing of water resources, environmental considerations, rehabilitation of oustees, difficult terrains, longer lead time required for investigation of hydroelectric schemes and longer gestation period. However, to strengthen the development of hydro potential, a number of hydroelectric power projects have been proposed for construction in the Central and State Sectors for benefit in the Eigth Plan. External assistance isc also proposed to be availed of for hydro power development in the country.

New telephone connection

2950. SHRI P. N. SUKUL: Will the Minister of COMMUNICATIONS be pleased to state;

(a) the number of new telephone connections given during the last three years, yearwise;

(b) such figures separately for four metropolitan cities of Bombay, Madras, Delhi and Calcutta;

(c) the number of applications for telephone connections on the waiting lists;

(d) the details of plans under way to